



Hello Wisconsin Educators,

I hope your work with the new Wisconsin Standards for Science is going well! Throughout the next year I'll be continuing to work with Wisconsin educators to create supports for the implementation process. Let me know if there are particular resources you'd find useful.

Recently, I asked educators to complete a science needs survey. The preliminary results (anonymous) [can be found here](#). Data includes topics such as standards usage, instructional materials, high school course sequences, professional development opportunities, elementary science structures, and teacher recruitment. For districts granting permission, I'll also be putting the results onto a GIS map.

Below are the latest science education resources and opportunities I've heard about. If you have announcements to share about science or STEM-related professional learning and resources, please send them my way for the next edition. A record of these emails can be found on my website: [dpi.wi.gov/science/social-media](http://dpi.wi.gov/science/social-media).

Cheers,  
Kevin

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### Learning Opportunities

- KEEP Energy Education Workshop - Jan 31 @ CESA 4, Mar 12 @ CESA 1
- WSST Winter Workshop - Jan 25 in LaCrosse

### Resources

- DPI Forward Exam Examples and Assessment Resources

### Student Opportunities

- Spring Rocket Launch - Rockets for Schools - May 11 & 12 in Sheboygan

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## Details

### Learning Opportunities

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- KEEP Energy Education Workshop - Jan 31 @ CESA 4 & Mar 12 @ CESA 1

<http://login.myquickreg.com/register/event/event.cfm?eventid=18131> - CESA 4 on Jan 31  
<http://events.r20.constantcontact.com/register/event?oeidk=a07ee7ogk8nb39eeff6&llr=pmz5e8cab&showPage=true> - CESA 1 on Mar 12

Utilizing the School Building as a Teaching Tool: Investigations in Energy Efficiency. This workshop explores evaluating energy use through hands-on discovery and advice from energy professionals. Participants develop energy-savings action plans that link to future career options. The workshop will include time for collaboration and a variety of ready-to-use activities. Recommended for teachers of grades 5-12 and schools undergoing energy management services. Cost: \$150.00 (includes materials, light breakfast and lunch)

- WSST Winter Workshop - Jan 25 in LaCrosse

<https://docs.google.com/forms/d/e/1FAIpQLSdGWvO-4GU-esOpIk0E94hEhHoGvmUx38e3DjJ4aqkOmFF4BQ/viewform> - The WSST Winter Workshop in LaCrosse will be from 8 to 4 at Wiscorp Eco Park, 789 Myrick Park Dr. The morning keynote will focus on the new Wisconsin Standards for Science. Morning and afternoon break-outs will include FOSS and DOTS (STEM-citizen science) sessions. More info can be found here: <http://www.wsst.org/pd-page>.

## Resources

- DPI Forward Exam Examples and Assessment Resources

<https://dpi.wi.gov/science/assessment/state-test> - DPI has now released sample 4th and 8th grade Forward Exam questions, as well as an online tool where you can access these items on the actual computer-based platform. Scroll down on this website for the links. Because standardized tests only tell a limited story of students' learning, there is also a workgroup creating more authentic, performance-based assessment tasks. See those tasks and a "how-to" description on this site: <https://dpi.wi.gov/science/assessment/examples>.

## Student Opportunities

- Spring Rocket Launch - Rockets for Schools - May 11 & 12 in Sheboygan

<http://www.rockets4schools.org> - Rockets for Schools is looking for schools to participate in the May 11 & 12, 2018 High Power Rocket Launch over Lake Michigan in Sheboygan. All U.S. middle and high school students in Grades 6-12 can participate and Rockets for Schools staff are able to assist educators interested in working with a team. The first 60 teams that sign up are guaranteed a spot in the competition. Rockets for Schools is only one of two national qualifiers for Class II teams to participate in NASA's Student Launch Initiative.

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“Science is not a body of facts, [it] is a method for deciding whether what we choose to believe has a basis in the laws of nature or not.” – Marcia McNutt

